Subject Index for *Hydrobiological Journal*, Volume 30, 1994

Abiotic factors, **5**, 11–17
Acclimatization, **5**, 1–10
Adaptive systems, functioning of, **6**, 55–61
Age determination, **7**, 53–60
Agricultural runoff, **2**, 91–102
Algae:
  enzymatic activity of, **5**, 26–30
  heterotrophic activity of, **5**, 26–30
Allothunnus fallai, **7**, 89–94
Amino acid, **5**, 26–30
Amphipods, **3**, 107–110
Amphipods, body length of, **3**, 107–110
Anabaena variabilis, **3**, 39–42
Anadara, **7**, 81–84
Anatomy, **7**, 41–52
Angara–Yenisei basin, **1**, 9–16
Annulocystis, **7**, 85–88
Annulocystic auxis redescription, **7**, 85–88
Anostracans, **3**, 25–27
Anthropogenic influences, **2**, 74–81
Apionsoma, **2**, 28–42
Aquatic animals, ecology of, **4**, 68–78
Aquatic life, **6**, 62–70
Aquatic macrophytes, **6**, 71–82
Aquatic-macrophyte phytocenoses, **3**, 53–60
Arabian Sea, **2**, 61–73
Archaeobdella esmonti, **2**, 43–45
Arcidae, **7**, 81–84
Arhynchobdellea, **2**, 43–45
Arietellidae, **2**, 54–60
Assimilated carbon-compounds transport, **6**, 37–45
Athecata, **7**, 41–52

Bacillus subtilis, **5**, 100–104
Bacteria, **5**, 26–30
Bacterial reduction of sulphates, **5**, 105–115
Bathyditrupa, **2**, 7–15
Bathyvermilia, **2**, 7–15
Benthic communities, **6**, 23–36
Benthos, **2**, 91–102
Binding of heavy metals, **1**, 47–56
Biology, **2**, 61–73
Bioluminescence, **2**, 74–81
Bivalvia, **4**, 95–103; **7**, 81–84
Black carp, **5**, 1–10
Black Sea, **2**, 74–81; **3**, 82–88; **6**, 108–110
Bonito, **7**, 89–94
Bottom sediments, **1**, 73–81; **1**, 108–116; **5**, 105–115
Bougainvillia megas, **1**, 42–46
Bound cadmium, **7**, 1–9
Bream, **3**, 61–70
Brochiverruca margulisae, new species, **2**, 50–53
Brochiverruca, new species, **2**, 50–53
Buffering capacity, **6**, 8–22

Cadmium, **1**, 47–56
Calculating daily ration, **3**, 28–34
Calculating techniques, analysis of, **3**, 28–34
Carbohydrate distributions, **1**, 66–72
Carp, **6**, 55–61
Cesium-137, levels of, **6**, 62–70
Channel catfish, **5**, 11–17
Chemical composition, **1**, 82–93
Chernobyl, **3**, 43–52; **5**, 56–66
Cirripedia, **2**, 50–53
Cladoceran populations, **4**, 45–54
Climatic zones, **4**, 27–34
Cnidaria, **4**, 79–84
Cobalt, **1**, 108–116
Colorless flagellate, **2**, 1–6
Commercial-fish production, **2**, 91–102
Consumption of dead microorganisms, **2**, 82–90
Consumption of live microorganisms, **2**, 82–90
Continental surface waters, **5**, 80–95
Cooling ponds, **6**, 23–36
Copper, **1**, 108–116
Copper ion, **1**, 66–72

Cordagalma tottoni sp. n., **4**, 79–84
Crassostrea tulipa, **4**, 68–78
Criteria for setting standards, **6**, 23–36
Ctenopharyngodon idella, **5**, 31–43
Ctenophore, **6**, 108–110
Cyclops scutifer, **7**, 61–68
Cyprinid fishes, **5**, 67–69
Cyprinidae, **5**, 31–43
Cytophysiology, **6**, 1–7

Dactylogyrus infestation, **3**, 61–70
Danube River, **6**, 62–70
Daphnia magna, **3**, 35–38
Dauhrinaia kurilensis, **4**, 95–103
Dauhrinia middendorffii, **4**, 95–103
Deepwater Serpulidae, **2**, 7–15
Desna River, **3**, 71–81
Detoxification of ammonia, **6**, 55–61
Diapause, **7**, 61–68
Didymophaselus allothunni, **7**, 89–94
Didymozoidae, **7**, 89–94
Diet, **2**, 103–110
Difflugiid, new species, **2**, 16–27
Dinoflagellata, **2**, 74–81
Dipeptides, **5**, 26–30
Discrimination, **7**, 95–102
Distribution, **2**, 61–73
Dnieper basin, **3**, 43–52
Dnieper delta region, **1**, 94–107
Dnieper Reservoir, **1**, 94–107
Dnieper reservoirs, **1**, 34–41; **1**, 108–116
Dnieper River, **3**, 82–88; **6**, 62–70
Dnieper–Bug Lagoon, **5**, 105–115
Dniester estuary, **3**, 13–24
Dniester River, lower, **3**, 13–24
Dreissena polymorpha, **1**, 26–33

Early ontogeny, **1**, 73–81
Ecological analysis, **3**, 61–70
Ecological classification, **4**, 55–67
Ecological effect, **5**, 105–115
Ecological hydrology, **5**, 70–79
Ecological hydrology, applications of, **5**, 70–79
Ecological water-quality classification, **5**, 80–95
Effect of agriculture, **1**, 82–93
Effect on fish of heavy metals, **1**, 47–56
Effect of temperature, **6**, 55–61
Energy metabolism, **5**, 96–99
Enopla, **2**, 46–49
Environment modification, **1**, 26–33
Enzyme activity of intestines, **5**, 31–43
Epischura baicalensis, **2**, 82–90; **3**, 35–38
Extreme warming of lakes, response to, **3**, 25–27

Fish larvae, **3**, 28–34
Floodplain lakes, **3**, 71–81
Fluorescence technique, **3**, 1–12; **6**, 99–107
Free cadmium, **7**, 1–9
Freshwater ecosystems, **6**, 83–98
Freshwater pearl mussels, **4**, 95–103
Functional characteristics, **6**, 23–36

Gastropoda, **7**, 69–75
Genus composition, **7**, 85–88
Genus validity, **2**, 16–27
Gorkiy Reservoir, **3**, 61–70
Growth lines on the jaws, **7**, 53–60
Guidelines for counting, **4**, 5–13
Guinea, **4**, 68–78
Gulf of Aden, **4**, 104–114
Gulf of Finland, **4**, 14–26

Heavy metals, **1**, 47–56; **1**, 57–65; **1**, 108–116; **3**, 99–106; **6**, 46–54
Heavy metals, estimating ecological capacity for, **3**, 99–106
Heritability, **5**, 67–69
Herpobdellidae, **2**, 43–45
Heterocarpus nasicus sp. n., **4**, 104–114
Human impact, **6**, 8–22
Hydrobia ulvae, **7**, 69–75
Hydrobiology, **4**, 14–26
Hydroid polyp, **1**, 42–46
Hydrologic characteristics, **3**, 71–81
Hydrozoa, **4**, 79–84; **7**, 41–52
Hypsibiidae, **7**, 76–80

Ictalurus punctatus, **5**, 11–17
Ide, **2**, 103–110

Indian Ocean, **7**, 30–40
Indian Ocean, southwestern, **2**, 54–60
Inorganic nitrogen, **3**, 82–88
Integral ecological assessment, **5**, 18–25
Interstitial nemertine, **2**, 46–49
Inversion voltammetry, **7**, 1–9

Kantat Reservoir, **6**, 99–107
Karelia, **7**, 76–80
Kiev Reservoir, **1**, 73–81; **3**, 53–60; **5**, 56–66; **6**, 71–82; **7**, 10–13
Kremenchug Reservoir, **2**, 103–110
Kuril–Kamchatka Trench, **2**, 7–15

Labeling, **5**, 26–30
Lake Azabach'ye, **7**, 61–68
Lake Baikal, **3**, 1–12; **7**, 14–22
Lake Manych-Gudilo, **2**, 91–102
Laminaria saccharina, **6**, 37–45
Larval development, **4**, 85–94
Littoral zone, **5**, 56–66
Lobosea, **2**, 16–27
Low-molecular-weight thiols, **1**, 47–56

Macrophyte stands, composition of, **6**, 71–82
Mangrove oyster, **4**, 68–78
Margaritiferidae, **4**, 95–103
Mathematical modeling, **6**, 83–98
Maximum permissible concentrations, **1**, 57–65
Measuring technique, **3**, 107–110
Mercury, **1**, 47–56
Millepores:
  skeleton of, **7**, 41–52
  soft tissues of, **7**, 41–52
Milleporidae, **7**, 41–52
Mineralized lake, **4**, 35–44
Mixohaline estuaries, **4**, 68–78
Mnemiopsis maccradyi, **6**, 108–110
Morphological variation, **4**, 45–54
Morphology, **7**, 41–52
Morphometric characteristics, **3**, 71–81
Mytilis edulis, **4**, 85–94

Nannoplankton production, **1**, 1–8
Natural waters, **1**, 82–93; **6**, 1–7; **7**, 1–9
Natural waters, toxicity of, **6**, 1–7
Nearest neighbors, **7**, 95–102
Nematode larvae, **6**, 108–110
Net phytoplankton production, **1**, 1–8
Neva Bay, **4**, 14–26
New species, **2**, 1–6; **4**, 104–114; **7**, 14–22; **7**, 23–29; **7**, 30–40; **7**, 76–80; **7**, 81–84
New Zealand, **2**, 28–42
Nuclear power plant, **5**, 56–66
Nucleoli, quantitative characteristics of, **5**, 67–69

Oligochaeta, **7**, 14–22
Operational taxonomic unit, **7**, 95–102
Organic-matter degradation, **3**, 13–24
Ototyphlonemertes martynovi sp. n., **2**, 46–49
Ototyphlonemertidae, **2**, 46–49

Parapandalus yugniro sp. n., **4**, 104–114
Periodicity of characteristics, **4**, 55–67
Periodicity of reduction and regeneration phrases, **1**, 42–46
Periods of biological regime, **2**, 103–110
Periphyton communities, **1**, 66–72
Phascolosomatidae, **2**, 28–42
Phosphorus balance, **3**, 89–98
Phosphorus circulation, **6**, 83–98
Phosphorus concentration, **3**, 89–98
Phytoplankton, **4**, 35–44
Phytoplankton communities, **4**, 27–34
Phytoplankton productivity, **6**, 99–107
Pigment alteration, **1**, 66–72
Plankton, **2**, 91–102; **3**, 13–24
Plankton, physiological condition of, **3**, 1–12
Planktonic copepods, **5**, 52–55
Plantations in natural stands, **6**, 37–45
Pollution, **2**, 91–102
Polynoidae polychaetes, **7**, 53–60
Pontoporeia affinis, **1**, 17–25
Population analysis, **3**, 61–70
Population development, **1**, 26–33; **5**, 11–17
Principles for regional standards, **1**, 57–65
Pripyat arm, **6**, 71–82

Prosobranchia, **7**, 69–75
Protein concentration effect, **5**, 100–104
Proteins, **5**, 26–30
Proteolytic activity, **5**, 100–104
Protis, **2**, 7–15
Protocucurbitella, **2**, 16–27

Radioactive contamination, **3**, 53–60
Radioactivity of mollusk shells, **3**, 43–52
Radioecological studies, **5**, 56–66
Radionuclide contamination, **1**, 73–81
Radionuclides, uptake of, **6**, 71–82
Ramazzottius valaamis, **7**, 76–80
Rare species, **4**, 95–103
Rare species *Paraugaptilus magnus*, **2**, 54–60
Regulatory systems, **4**, 85–94
Regulatory-system elements, formation of, **4**, 85–94
Reservoir operation, **1**, 94–107
Reservoirs, **1**, 9–16
Response to environmental factors, **1**, 17–25
Response to oxygen concentrations, **1**, 17–25
Rhizopoda, **1**, 34–41; **2**, 16–27
River ecosystems, **6**, 8–22

Saccharomyces cerevisiae, **2**, 82–90
Sarsarietellus natalis, new species, **2**, 54–60
Saya de Malha Bank, **7**, 30–40
Sea of Japan, **2**, 46–49; **7**, 23–29
Shelled amoebas, **1**, 34–41
Shrimp, **4**, 104–114
Shrimp collections, **7**, 30–40
Sida crystallina, **4**, 45–54
Simocephalus vetulus, **4**, 45–54
Siphonophora, **4**, 79–84
Sipuncula, **2**, 28–42; **7**, 23–29
Solenocera burukovskyi sp. n., **4**, 104–114
Soluble organic matter, **1**, 1–8
Sorting dead zooplankton, **4**, 1–4
Sorting live zooplankton, **4**, 1–4
South China Sea, **7**, 81–84
South Pacific, **4**, 79–84
South subtropical Pacific, **7**, 89–94
Southern Bug River, **3**, 82–88
Squid, **2**, 61–73
Sthenoteuthis oualaniensis, **2**, 61–73
Strontium-90 contamination, **3**, 43–52
Strontium-90, levels of, **6**, 62–70
Structural characteristics, **6**, 23–36
Sturgeon eggs, **4**, 5–13
Sturgeon migrating larvae, **4**, 5–13
Suborder Pysonectae, **4**, 79–84
Surface waters, **1**, 57–65; **4**, 27–34
Surface-water quality, **4**, 55–67
Surfactants, **7**, 10–13
Systems approach, **5**, 44–51

Taganrog Bay, **1**, 42–46
Tardigrada, **7**, 76–80
Tasserkidrilus, **7**, 14–22
Testacea, **1**, 34–41
Thaumatomonas seravini, **2**, 1–6
Themiste maculosa, **7**, 23–29
Themistidae, **7**, 23–29
Thermal standards, **6**, 23–36
Toxic substances, acute exposure to, **3**, 35–38
Toxic substances, resistance to, **3**, 35–38
Toxicity, rapid evaluation of, **6**, 1–7
Trace elements, **6**, 46–54
Trachurus sp., **7**, 95–102
Trematode, **7**, 89–94
Tubificidae, **7**, 14–22
Tumorlike anomalies, **5**, 52–55
Tundra complex, **3**, 25–27

Uchinsk Reservoir, **3**, 89–98
Ukraine, **5**, 70–79

Valaam Island, **7**, 76–80
van't-Hoff temperature coefficient, **5**, 96–99
Vegetation of fish ponds, **6**, 46–54
Verrucomorpha, **2**, 50–53
Vertebrates, lower, **5**, 96–99
Vital activity of fish, **1**, 73–81
Volga reservoirs, **2**, 43–45
Volga River, **6**, 62–70

Water pollution, **5**, 18–25
Water quality, **1**, 94–107

Water-quality control, **5**, 44–51
Waters of differing trophicity, **1**, 1–8
White amur fry, **5**, 31–43
White Sea, **7**, 69–75
Winter-growth shell interruption lines, **7**, 69–75
World Ocean, **4**, 27–34
Zaporozhye Reservoir, **3**, 99–106
Zinc, **1**, 108–116
Zinc ion, response to, **3**, 39–42
Zooplankton development, **1**, 9–16
Zooplankton, device for straining, **4**, 1–4

This publication is available in microform.